

Appl. No. 10/060,360
Amendment dated Feb. 28, 2003
Reply to Office Action of Dec. 16, 2002

Amendments to the Specification:

On page 8, delete the second full paragraph and replace this paragraph with the following in accordance with 37 C.F.R. § 1.121.

AI
Polyurethanes are currently used in the manufacture of golf ball covers, such as those on the Maxfli Revolution and the Titleist Professional. As indicated in U.S. Patent No. 5,334,673, polyurethanes are advantageous in the production of golf ball covers because they have the feel and click of balata covered balls with much greater cut resistance. In addition, the polyurethanes are generally more resilient than balata, allowing balls to be made with both good feel and good distance. Resilience can be measured as percent rebound of a steel ball bouncing on a flat elastomer sample from a height of one meter, where the sample is at least 0.5 inch thick and is firmly mounted so as to prevent movement. A good golf ball cover material should have at least 40% ~~res-ili-ence~~ resilience as measured on this test. Ionomer covers have good resilience, but are harder and do not give the click and feel of the polyurethane and balata covers. The polyurethanes of U.S. Patent No. 5,334,673 demonstrate this. They are, however, based on MDI and TODI, both aromatic diisocyanates, and will discolor when exposed to sunlight.

On page 16, delete Comparative Example C and replace it with the following in accordance with 37 C.F.R. § 1.121.

Comparative Example C

A Comparative Elastomer of a Commercial Prepolymer

A2 One ~~Hundred~~ hundred grams of Adiprene LW-570, a commercially available prepolymer of an aliphatic diisocyanate and polytetramethylene ether glycol with a residual isocyanate content of 7.5% is mixed with 6.2 grams of 1,4 butanediol representing 80% stoichiometry and 1.5 gram of trimethylolpropane representing 20% stoichiometry. The resultant mixture is de-aerated and cast into a mold cavity at 50° C to form a 0.5-inch thick circular button of 1 square inch surface area. The material is post cured at 60° C for 16 hours.
